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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Nordine CHEIKH *et al.*

Application Serial No.: 09/300,482

Filed: April 28, 1999

Confirmation No.: 4511

Art Unit: 1631

Examiner: Marjorie A. Moran

Attorney Docket No.: 16517.216

Title: Nucleic Acid Molecules and Other Molecules Associated With the Phosphogluconate Pathway

**Response under 37 C.F.R. § 1.116**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the final Office Action mailed January 4, 2007.

**Amendments to the Claims** begin on page 2 of this response; and

**Remarks** begin on page 4 of this response.